

Appln. No. 09/857,383
Amendment dated February 9, 2006
Reply to Office Action of October 11, 2005
and Advisory Action of December 29 2005

Amendments to the Claims:

Please cancel claims 2, 3 and 11, amend claims 1, 4, 5, and 8-10 as follows. The following listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (Currently Amended). A system for the execution of secure transactions in a multimedia network, the system comprising:

a multimedia network with customer stations, merchant
5 servers, and a payment server connected to it, secure electronic transactions being performed using a secure electronic transactions protocol, comprising the exchange of digital certificates, uniquely identifying the relevant transaction participants and also attesting their privileges at the merchant
10 server, said certificates being managed by a Trusted Third Party Server being connected to said multimedia network, said payment ~~servers~~ server being ~~enabled~~ configured to validate the digital certificates presented and to process ~~authorisation~~ authorization concerning the payment, said customer stations comprising
15 transaction management means[, fit] for performing said secure electronic transactions protocol and for managing said

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certificates for the customer station, further comprising a
remote customer agent, managed by agent parameters received from
said customer station and thus, under the control of said
20 parameters, representing the customer station in a negotiation
process, including selecting products to be presented by the
merchant server, payment for selected products being performed in
a secure way, under control of said secure electronic
transactions protocol and said certificates, the payment process
25 being performed between said transactions management means and
the merchant server,

wherein said customer station comprises an agent interface
for transmission of codes, parameters and certificates between
said customer agent and said transactions management means, the
30 system further comprising a remote merchant agent, managed by
agent parameters received from said merchant station and thus,
under the control of said parameters, capable of representing the
merchant station in a negotiation process, including presenting
products to the customer agent or the customer station, and to
35 have paid for products being selected by the customer agent or
the customer station, in a secure way, under control of said
secure electronic transactions protocol and said certificates,
wherein said customer agent is configured to request said

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40 merchant agent to pay by credit card, the merchant agent is
configured to inform said merchant server of the requested
payment, while parallel to that the customer agent is configured
to initialize said transactions management means;
wherein the transaction management means, the merchant
server and the payment server are configured to perform a
45 standard secure electronic transaction procedure; and
wherein after completion of the payment process, the
merchant server is configured to inform the merchant agent of
completion of the payment process, the merchant agent is
configured to pass this message on to the customer agent, and the
50 customer agent is configured to notify the customer station of
the payment completion.

Claim 2 (Cancelled).

Claim 3 (Cancelled).

Claim 4 (Currently Amended). The system according to claim
[[2]] 1, wherein said negotiation and payment process by said
customer agent and said remote merchant agent is performed within

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an agent negotiation server, connected to said multimedia network.

Claim 5 (Currently Amended). The system according to claim 1, wherein within said secure electronic transaction protocol, for authentication and ~~authorisation~~ authorization of said customer agent, a token is encapsulated, comprising an
5 ~~authorisation~~ authorization code for opening up said transactions management means.

Claim 6 (Previously Presented). The system according to claim 5, wherein said token is stored within the customer agent in an encrypted form, using a random key, the random key being generated at the customer station for each new payment process.

Claim 7 (Previously Presented). The system according to claim 5, wherein both the customer station and the customer agent comprise a specific communication certificate, payment start messages being communicated to said transactions management means
5 in encrypted form, using a random session key which, in turn, is sent over in encrypted form, using the customer station's public key related to said communication certificate, said message being signed with the customer agent's private key related to said

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communication certificate and a time stamp being added to said
10 message in order to prevent replay by malicious parties.

Claim 8 (Currently Amended). A method for the execution of
secure transactions in a multimedia network, a system comprising
a multimedia network with customer stations, merchant servers,
and a payment server connected thereto, secure electronic
5 transactions being performed using a secure electronic
transactions protocol, comprising the exchange of digital
certificates, uniquely identifying the relevant transaction
participants and also attesting their privileges at the merchant
server, said certificates being managed by a Trusted Third Party
10 Server being connected to said multimedia network, said payment
~~servers~~ server being ~~enabled~~ configured to validate the digital
certificates presented and to process ~~authorisation~~ authorization
concerning the payment, said customer stations comprising
transactions management means[[, fit]] for performing said secure
15 electronic transactions protocol and for managing said
certificates for the customer station, moreover, comprising a
remote customer agent, managed by agent parameters received from
said customer station and thus, under the control of said
parameters, representing the customer station in a negotiation
20 process, including selecting products to be presented by the

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merchant server, while payment for selected products takes place
in a secure way, under control of said secure electronic
transactions protocol and said certificates, the payment process
being performed between said transactions management means and
25 the merchant server, while, moreover, said customer station
comprises an agent interface[[, fit]] for transmission of codes,
parameters and certificates between said customer agent and said
transactions management means, and, besides, a remote merchant
agent, managed by agent parameters received or to be received
30 from said merchant station and thus, under the control of said
parameters, representing the merchant station in a negotiation
process, including presenting products to the customer agent or
the customer station, and to have paid for products being
selected by the customer agent or the customer station, in a
35 secure way, under control of said secure electronic transactions
protocol and said certificates, the method comprising the steps
of:

in a first step, said customer agent requests said merchant
agent to pay by credit card, and the merchant agent then informs
40 said merchant server of the requested payment, while parallel to
that the customer agent ~~initialises~~ initializes said transactions
management means;

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in a second step, a standard secure electronic transaction procedure is performed by the transactions management means, the
45 merchant server and the payment ~~gateway~~ server; and

in a third, final step, after completion of the payment process, the merchant server informs the merchant agent of completion of the payment process, and the merchant agent passes this message on to the customer agent, which notifies the customer station of the payment completion.

Claim 9 (Currently Amended). A data processing device ~~for a~~
~~system~~ for [[the]] execution of secure transactions in a multimedia network, the multimedia network comprising merchant servers and a payment server ~~enabled~~ configured to validate
5 digital certificates presented and to process ~~authorisation~~
authorization concerning a payment, connected to it, said data processing device comprising:

transaction management means for performing a secure electronic transaction protocol, comprising the exchange of
10 digital certificates, uniquely identifying the relevant transaction participants and also attesting their privileges at the merchant server, said certificates being managed by a Trusted Third Party Server being connected to said multimedia network,
and for managing said certificates for said data processing

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15 device, said data processing device being configured to manage a
remote customer agent by transmitting ~~transmit~~ agent parameters
to [[a]] the remote customer agent for representing the data
processing device in a negotiation process under the control of
said parameters, including selecting products to be presented by
20 the merchant server, payment for selected products being
performed in a secure way, under control of said secure
electronic transactions protocol and said certificates, the
transaction management means being configured to perform the
payment process with the merchant server,
25 wherein said data processing device further comprises an
agent interface for transmission of codes, parameters and
certificates between said customer agent and said transactions
management means, the multimedia network further comprising a
remote merchant agent, managed by agent parameters received from
30 said merchant station and thus, under the control of said
parameters, capable of representing the merchant station in a
negotiation process, including presenting products to the
customer agent or the data processing device, and to have paid
for products being selected by the customer agent or the data
35 processing device, in a secure way, under control of said secure
electronic transactions protocol and said certificates, said
customer agent being configured to request said merchant agent to

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pay by credit card, the merchant agent informing said merchant
server of the requested payment, whereby said transactions
40 management means being configured to be initialized by the
customer agent;

wherein the transactions management means is configured to
perform a standard secure electronic transaction procedure with
the merchant server and the payment server; and

45 wherein after completion of the payment process and after
receiving information of completion of the payment process from
the merchant server, the merchant agent being configured to pass
this message on to the customer agent, the data processing device
is configured to receive a notification of the payment completion
50 from the customer agent.

Claim 10 (Currently Amended). A data processing device ~~for~~
~~a system~~ for ~~[[the]]~~ execution of secure transactions in a
multimedia network, the multimedia network comprising a customer
station, merchant servers, and a payment server connected to it,
5 secure electronic transactions being performed using a secure
electronic transactions protocol, comprising the exchange of
digital certificates, uniquely identifying the relevant
transaction participants and also attesting their privileges at
the merchant server, said certificates being managed by a Trusted

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10 Third Party Server being connected to said multimedia network,
said payment server being configured to validate the digital
certificates presented and to process authorization concerning
the payment, said customer station comprising transaction
management means for performing said secure electronic
15 transactions protocol and for managing said certificates for the
customer station, said data processing device comprising:
a remote customer agent, managed by agent parameters
received from said customer station and thus, under the control
of said parameters, representing the customer station in a
20 negotiation process, including selecting products to be presented
by the merchant server, payment for selected products being
performed in a secure way, under control of said secure
electronic transactions protocol and said certificates, the
payment process being performed between said transactions
25 management means and the merchant server, said customer station
comprising an agent interface for transmission of codes,
parameters and certificates between said customer agent and said
transactions management means, the multimedia network further
comprising a remote merchant agent, managed by agent parameters
30 received from said merchant station and thus, under the control
of said parameters, capable of representing the merchant station
in a negotiation process, including presenting products to the

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customer agent or the customer station, and to have paid for
products being selected by the customer agent or the customer
35 station, in a secure way, under control of said secure electronic
transactions protocol and said certificates,

wherein said customer agent is configured to request said
merchant agent to pay by credit card, the merchant agent
informing said merchant server of the requested payment, while
40 parallel to that the customer agent is configured to initialize
said transactions management means; and

wherein after completion of a standard secure electronic
transaction procedure being performed by the transactions
management means, the merchant server and the payment server and
45 after receiving information of completion of the payment process
from the merchant server, the merchant agent being configured to
pass this message on to the customer agent, the customer agent is
configured to notify the customer station of the payment
completion ~~said data processing device comprising a remote~~
50 ~~customer agent managed by agent parameters received from said~~
~~customer station and thus, under control of said parameters,~~
~~representing the customer station in a negotiation process,~~
~~including selecting products to be presented by the merchant~~
~~server.~~

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Claim 11 (Cancelled).